

GEAR

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Applicant(s): HITACHI POWDERED METALS

Classification:

- International: F16H55/08; F16H55/02; (IPC1-7): F16H55/08

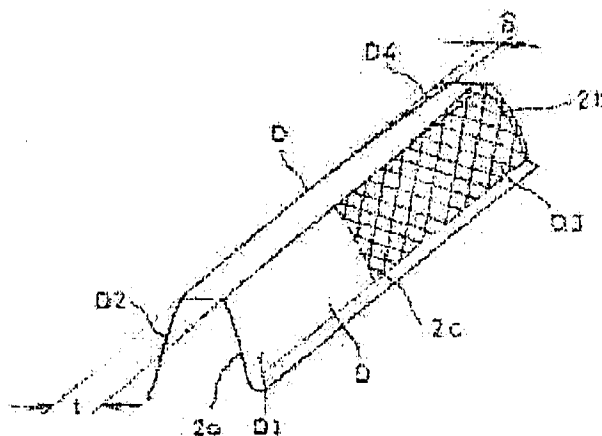
- European:

Application number: JP19890204401 19890807

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Abstract of JP 3069844 (A)

PURPOSE: To reduce processing cost while maintaining good tooth bearing by a method wherein correction of tooth trace is performed only to two edges among four edges on tooth surfaces on both sides tooth width. **CONSTITUTION:** Among four edges D1 to D4 on tooth surfaces D on both sides from 2a to 2b of tooth width, only two edges D3, D4 are subjected to crowning to be half-crowned. As the half-crowning amount δ , approximately $\delta = 0.5b \times 10^{-3}$ is recommended ((b) refers to tooth width and (f) refers to difference in tooth trace). Corrected parts of two gears whose tooth trace has been corrected are engaged with each other so that they are directed oppositely thereby permitting them to be free from influence of tooth bearing.; Therefore compared with the conventional case where all of four edges are corrected, processing cost can be reduced as well as tooth bearing can be maintained well.



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